

In re Patent Application of:
HWANG
Serial No. 10/567,807
Filing Date: **FEBRUARY 8, 2006**

In the Claims:

This listing of claims replaces all prior versions and listing of claims in the application.

1. (Canceled).

2. (Canceled).

3. (Previously Presented) An automatic control energy-saving lamp device comprising a plurality of lamps and a socket body having the lamps fixed to one side of the body and having a screw formed to the other side of the body, the device comprising:

an illumination sensor formed on the socket body for sensing a surrounding illumination;

a timer for controlling a lighting time of the lamps;

an infrared sensor mounted to one side of the lamps for sensing movement of a human; and

a lighting control circuit formed in the socket body, and controlling the lamps to be turned on/off according to output signals of the illumination sensor, the timer and the infrared sensor;

a base having the plurality of lamps fixed to one side of the base and having a combination unit formed on the other side of the base; and

a combination groove formed in the socket body to detachably combine with the combination unit.

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4. (Cancelled).

5. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, further comprising a sensor support with a predetermined length; and high-illumination reflection shades surrounding the sensor support and coated by deposition of silver or aluminum, among the plurality of lamps.

6. (Previously Presented) The automatic control energy-saving lamp device according to claim 5, wherein the infrared sensor is mounted on an end of the sensor support.

7. (Previously Presented) The automatic control energy-saving lamp device according to claim 6, further comprising a detachable lamp cover made of plastic or glass.

8. (Previously Presented) The automatic control energy-saving lamp device according to claim 7, wherein the infrared sensor protrudes outwardly through the center of the lamp cover.

9. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein the illumination sensor is buried in the socket body as much as a predetermined depth in order not to receive a direct ray of light from the lamps.

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10. (Previously Presented) The automatic control energy-saving lamp device according to claim 9, wherein the predetermined depth is 5mm.

11. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein a number of the plurality of lamps is two to four.

12. (Previously Presented) The automatic control energy-saving lamp device according to claim 11, wherein the lamps are vacuum bulbs coated with a 3-wave lamp fluorescent material.

13. (Previously Presented) The automatic control energy-saving lamp device according to claim 3, wherein the lamps are U-shaped or I-shaped lamps.

14. (Currently Amended) An automatic control energy-saving lamp device comprising a plurality of lamps and a socket body having the lamps fixed to one side of the body and having a screw formed to the other side of the body, the device comprising:

an illumination sensor formed on the socket body for sensing a surrounding illumination;

a timer for controlling a lighting time of the lamps;

an infrared sensor mounted to one side of the lamps for sensing movement of a human;

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a lighting control circuit formed in the socket body, and controlling the lamps to be turned on/off according to output signals of the illumination sensor, the timer and the infrared sensor;

a sensor support with a predetermined length;
and

high-illumination reflection shades surrounding the sensor support and coated by deposition of silver or aluminum, among the plurality of lamps.

15. (Cancelled).

16. (New) An automatic control energy-saving lamp device according to claim 14, wherein the sensor support extends in the longitudinal direction of the lamp, the infrared sensor being disposed at one end of the sensor support.